

STATE OF WASHINGTON TO: JIM BROWN
DEPARTMENT OF ECOLOGY
DANIEL J. EVANS GOVERNOR
JOHN A. BIGGS DIRECTOR

Olympia, Washington 98504

February 28, 1972

*This is a copy of the 'OLD'
EPA Permit prior to METRO.*

Alaskan Copper Works
P.O. Box 3546
Seattle, Washington 9812

Gentlemen:

Enclosed is Waste Discharge
in accordance with RCW 90

We commend you for acceptance
by installing and maintaining
to qualify for this permit.

Sincerely,

R. Gerry Bollen

R. Gerry Bollen
Assistant Director
Office of Operations

RJB:av

Enclosure

*EPA.
Ken Fiegner
Mail stop 533
1200 6th ave
Seattle Wa. 98101*

STATE OF WASHINGTON *TO: JIM BROWN*
DEPARTMENT OF ECOLOGY
DANIEL J. EVANS
GOVERNOR
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DIRECTOR

Olympia, Washington 98504

February 28, 1972

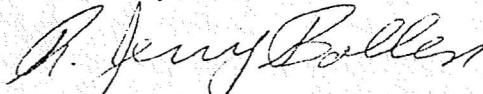
Alaskan Copper Works
P.O. Box 3546
Seattle, Washington 98124

Gentlemen:

Enclosed is Waste Discharge Permit Number 3967, which has been issued
in accordance with RCW 90.48.

We commend you for accepting your responsibility to prevent pollution
by installing and maintaining the waste disposal facilities necessary
to qualify for this permit.

Sincerely,



R. Jerry Bollen
Assistant Director
Office of Operations

RJB:av

Enclosure

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
OLYMPIA, WASHINGTON

Permit No. 2667

In accordance with Chapter 90.48 RCW,
and Chapter 372-24 W.A.C.
A WASTE DISCHARGE PERMIT is issued to:

Date of Issue February 28, 1972

Date of Expiration February 28, 1977

Alaskan Copper Works (13011)
P.O. Box 3546
Seattle, Washington 98124

6th Avenue South Plant

Waste from the permittee's industrial operation located at 3200 - 6th Avenue So., Seattle, not exceeding 20,000 gallons per day, may be discharged to the Municipality of Metropolitan Seattle sewerage system at the following point of discharge: 3200 6th Avenue South, Seattle.

Said discharge is authorized subject to the following conditions:

1. The word "waste" in the above statement refers to the total volume of cooling and contaminated waters to be discharged to the sanitary sewer.
2. Chemical cleaning, descaling and film developing processes are to be operated in a manner that will prevent excessive loss of chemicals to the sanitary sewer. These shall include:
 - A. Suspend treated parts above chemical solutions or drip pans for a reasonable time to minimize drag out.
 - B. Collect spent chemical solutions for reprocessing or disposal in a manner that will prevent their entry into waters of the state.
3. Rinsewaters from the X-ray film developing process and from the descaling process shall be periodically monitored and treated, as necessary, to ensure that the combined effluent to the sanitary sewer shall meet the following requirements:
 - A. Have a pH above 5.5. — *ACIDITY.*
 - B. Contain less than 6.0 parts per million chromium.
 - C. Contain less than 3.0 parts per million copper.
 - D. Contain less than 6.0 parts per million nickel.
 - E. Contain less than 0.1 parts per million silver.
 - F. Contain less than 100 parts per million total oils.

Alaskan Copper Works
Seattle, Washington

Date of Issue February 28, 1972

Date of Expiration February 28, 1977

4. A rinse water sump maintenance schedule, providing for regular inspection and periodic clean-out and replacement of limestone shall be submitted to the Department of Ecology for approval. A copy of this schedule shall be posted near the sump and shall be available for on-site review by the Department. The schedule shall include:
 - A. pH of effluent - record each working day.
 - B. Chromium concentration - record monthly (analyze at least once a month).
 - C. Complete analysis in accordance with Condition 3 - record semiannually (analyze at least once every six months).
 - D. Date of last clean out of sludge and replacement of limestone.
5. Contaminated waters shall not be discharged to the storm sewer.
6. Waste solvents, spent acid and alkaline cleaning solutions, chemical sludges, scrap metal and other solid waste material shall be collected for reprocessing or disposal in a manner that will prevent their entry into waters of the state.
7. Sanitary sewage is to be discharged into the sanitary sewer system.
8. All requirements and ordinances of the city pertaining to the discharge of wastes into the city sewer system are hereby made a condition of this permit.
9. In the event the permittee is temporarily unable to comply with any of the above conditions of this permit, due to breakdown of equipment or other cause, the permittee is to immediately notify this department. This report is to include pertinent information as to the cause and what steps are being taken to correct the problem and prevent its recurrence.

This permit does not allow the discharge of wastes other than those mentioned herein. A new application shall be submitted whenever a change in the waste to be discharged is anticipated.

This permit is subject to termination if the department finds: (1) That it was procured by misrepresentation of any material fact or by lack of full disclosure in the application; (2) That there has been a violation of the conditions thereof; (3) That a material change in quantity or type of waste disposal exists.

In the event that a material change in the conditions of the state waters utilized creates a dangerous degree of pollution, the department may specify additional conditions to this permit.

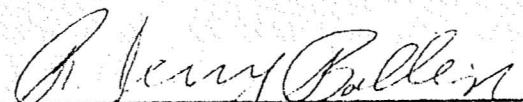
Alaskan Copper Works
Seattle, Washington

Date of Issue February 28, 1972

Date of Expiration February 28, 1977

Nothing in this permit shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including those administered by local agencies under the Shoreline Management Act of 1971.

Signed



Assistant Director
Department of Ecology

Type
 Permit No.
 Date rec'd
 Date Issued
 Date Expired
 New Renewal.....
 DOE Drainage Basin
 Expired Permit No.
 Advertising needed

DEPARTMENT OF ECOLOGY
 State of Washington

Application is hereby made for a permit to discharge wastes into the state waters in accordance with Chapter 90.48 RCW and Chapter 372.24 WAC.

- A. Name of Company Alaskan Cooper Works
- B. Mailing Address Box 3540, Seattle, WA 98101
- C. Location of Plant Discharging Waste if Different From Above _____
3200 6th Avenue South, Seattle Phone WA 2-5800
- D. Specific Type of Industry Metal Fabrication
- E. Name of Waterway Receiving Waste Discharge Municipal Sewer
- F. Location of Industrial Waste Discharge Point (s) _____

G. Raw Water Supply: Source City Water Volume 15,000 to 20,000 Gallons/Day

G.1 Authorization For Use: Recorded Right No. _____ Public Supply Yes

Other _____

(Specify)

H. Waste Discharge Volumes: Average Gallons/Day Maximum Gallons/Day

Industrial Processing 15,000 20,000

Cooling Cooling water is used as rinse water, after cooling the compressor.

I. Plant Operation: Days per Year Number of Employees per Shift

	Days per Year	Day	Night	Swing
Average	<u>252</u>	<u>40</u>	<u>30</u>	<u>30</u>
Maximum	<u>275</u>	<u>50</u>	<u>35</u>	<u>35</u>

J. Raw Materials and Chemicals Used in Processes:

Brand Name	Chemical, Scientific or Actual Name	Quantity Used Per Day*	
		Average	Maximum
<u>ABP #26</u>	<u>Ammonium Bifluoride</u>	<u>6 lbs.</u>	<u> </u>
<u> </u>	<u>Nitric Acid 42 Deg.</u>	<u>20 lbs.</u>	<u> </u>

K. Production:

Quantity Produced Per Day*

Item	Average	Maximum
Metal Fabrication	10,000 lbs.	12,000 lbs.

L. Sanitary Wastes: Treatment None Discharged to Municipal Sewer

M. Explain any seasonal variation in waste discharge volumes, plant operations, raw materials and chemicals used in processes, and/or production: Our volume of work is unpredictable on a seasonal basis, or any other basis.

Our customers are varied, diversified, and located in all parts of the United States.

N. Give a detailed description of the sources of all industrial wastes within your industry. Describe in detail the treatment given each of these wastes. Include in this description the disposal methods used for these wastes and also for any sludge collected by your waste treatment system. Include a schematic flow diagram showing the sources of all wastes and their flow pattern. Submit this information with your application as Exhibit 1.

O. Describe in detail the physical and chemical properties of the effluent to be discharged into state waters. Include in this description the sampling and analytical methods used to derive this information. Submit this information with your application as Exhibit 2.

P. Briefly describe any additional treatment or changes in waste disposal methods you are planning or have under construction. Submit this information as Exhibit 3. Include all information for previous questions, where additional space is necessary as part of Exhibit 3. Also include any additional information or comments you feel necessary to clarify this application with Exhibit 3.

The information given on this application is complete and accurate to the best of my knowledge.

W. A. Meacham
Signature

W. A. Meacham
Printed
Chief Engineer

Title

11/29/71
Date

*Please specify units. For example: Tons per day, pounds per day, barrels per day.